ABSTRACT

~~METHOD FOR SHARING INTERNAL EXCESS BANDWIDTH BETWEEN OUTPUT AND INPUT TERMINATION MODULES OF A SWITCHING NETWORK~~

~~The present invention relates to a~~A method for sharing internal excess bandwidth between output and input termination modules of a switching network including a switch core fabric (FC) ~~by means of~~via which a plurality of input termination modules (ITM1 to ITMn) communicate with a plurality of output termination modules (OTM1 to OTMm) through at least a point-to-point transmission ~~means~~channels considered as corresponding each to a virtual ingress-to-egress pipe (VIEP). Sharing of internal excess bandwidth is obtained by successive steps including a minimum bandwidth request calculation step, each request being transmitted to an output termination module for obtaining a minimum bandwidth grant in return. The minimum bandwidth request and grant related to an input termination module linked by an ingress-to-egress pipe to an output termination module are both calculated for a determined number K of relative administrative weights corresponding each to a different quality of service, with a different request and a corresponding grant for every weight.

~~Figure for publication: fig. 1~~